

Summary

Title: POLYOLEFIN-BASED ADHESIVE COMPOSITION FOR CLOTH
Doc Id: JP 11-035910 A2
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US class:
International class: C09J 123/04 A; D06M 17/00 B
Issue date: 02/09/1999
Filing date: 07/25/1997

Abstract:

PROBLEM TO BE SOLVED: To provide an adhesive composition which has an adhesion maintained at a desirable level and also shows only a slight shrinkage even after it has been subjected to repeated washings and hot pressings, by admixing some polyolefins having respective specific average molecular weights.

SOLUTION: This composition comprises 40 to 90 wt.% of a polyolefin resin having an average molecular weight of 40,000 to 200,000 and 10 to 60 wt.% of a polyolefin resin having an average molecular weight of 200,000 to 10,000,000. As a polyolefin resin, a polyethylene resin (having a density of 0.90 g/cm³ or more) is preferred, since it has a high adhesiveness at an adhesion temperature of 160 to 170°C. The respective powder particles of the above polyolefin resins are mixed by means of a tumbler, a Henschel mixer or the like or kneaded by means of an extruder, and then they are combined together and pulverized by mechanical pulverization or the like to thereby form a mixture. It is preferred that the resulting mixture has a particle shape near a sphere and an average particle size of 10 to 350 µm. A powder having a bulk density of 0.25 g/cm³ or more is preferably used.

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